



TOWN OF EASTON

P.O. Box 520
Easton, Maryland 21601

July 23, 2015

ADVERTISEMENT FOR BIDS

Sealed proposals will be received by the Town of Easton, Easton, Maryland at their office located at 14 S. Harrison Street until 10:00 a.m., Tuesday, August 25, 2015 for furnishing and delivering the following:

One (1) New 2015 MINI HYDRAULIC EXCAVATOR

The Town of Easton reserves the right to reject any and all bids and to accept the proposal, which in its opinion is in the best interest of the Town of Easton.

Bid specifications are available at the Town of Easton Office located at 14 S. Harrison St., Easton, Maryland (410) 822-2525. Proposals must be submitted in a sealed envelope marked as "Mini Excavator".

Robert F. Karge
Town Manager

Michael J. Dickerson
Public Works Superintendent

The Town of Easton will accept bids for one new 2015, or most current model year

MINI HYDRAULIC EXCAVATOR.

The hydraulic excavator must be new, unused, current production, track mounted model and shall be bid with all standard equipment as shown in the manufacturer's printed literature. Modifications of existing models to meet these specifications will not be permitted.

The unit shall be delivered completely assembled, serviced, and ready to operate.

The use of manufacturer's names and numbers are for descriptive purposes and establishing general qualities only. They are not intended to be restrictive. These specifications require doing everything necessary or proper for, or incidental to the furnishing of said unit. Bidders are required to state exactly what they intend to furnish; otherwise, it is fully understood that they shall furnish all items as stated. In addition, if the bidder takes an exception to any item, they will note the item and describe in detail the exception. Failure to carry out the provisions noted herein may be cause to deem the bid "non-responsive".

All items of design and equipment not listed in these specs, but involved in carrying out their intent, are required to be furnished by the bidder, the same as if these items were specifically mentioned in these specifications.

The Town of Easton reserves the right to reject any or all proposals, and to accept the proposal that in the Town's opinion is in the best interest of the Town of Easton.

Operating Weight

- Shall not exceed 12,000 lb., with ROPS canopy, rubber shoe, including all standard equipment, lubricants, coolant, and full tank of fuel included.

Engine

- The engine shall be a water cooled, naturally aspired, direct injection four cylinder diesel with a minimum horse power of 29.9 (22kw)
- Engine displacement shall not be less than (134 cu 2.189 ltr.)
- A device in the operators' canopy shall control engine throttle.
- An engine oil capacity of not less than 2 U.S. gallons.

Operator station

- The operator canopy shall have a certified ROPS guard 2post design. It will provide the operator an unobstructed view of the work equipment.

- The operator seat shall be adjustable suspension type.
- Full instrumentation including ignition switch, fuses, work light switches.
- Control of all boom, arm functions shall be through proportional pressure control levers.
- The levers shall be mounted in separate controls. One to each side of the operator. The operator station must be radio ready, have an onboard 12 volt outlet, and have a lock out lever that does not allow for blade, travel, swing, boom articulation, or auxiliary circuit to be operated while in the upright position.

Hydraulics

- The excavator must have a closed center, load sensing hydraulic system (CLSS) with pressure –compensating valves.
- Variable displacement piston pumps and gear pump shall provide the hydraulic pressure.
- The hydraulic valve shall be located under the tilt-up operator compartment for easy serviceability.
- The excavator shall be equipped with auxiliary hydraulics controlled by the way of a foot pedal on the floor of the operator platform.
- A manual valve will allow the operator to change from one way to two way hydraulic flow.
- A standard hydraulic system of not less than 30.0 U.S gallons.

Electrical

- The excavator shall have a 12-volt electrical system, 40-amp alternator, and single 12v 72Ah with a 2.3 kW starter.
- Full instrumentation including ignition switch, fuses, work light switches, hour meter, SAE/ISO pattern indicator, and warning lights.
- Information LCD display.
- Dual pattern servo control levers.

Durability

- The main boom shall be a one piece design made of steel with cast foot and top for strength and durability.

- The boom swing shall have one swing pin for durability.
- The arm shall have a thumb mounting with reinforced plate.
- The excavator shall have O-ring face seals which provide high sealing performance on hydraulic piping joints.
- The excavator shall have electrical connectors that are water restraint providing higher reliability.

Dimensions

- Arm length shall not be less than 5 ft., 8 in. (1725mm)
- Maximum digging depth shall not be less than 11 ft., 6 in. (3542mm)
- Maximum reach along ground shall not be less than 19 ft., 2in. (5844mm)
- Maximum Loading height shall not be less than 13 ft., 1 in. (3977mm)
- Tail swing radius shall not exceed 3 ft., 3 in. (985mm)
- Excavator shall have a ground clearance of at least 13in. (340mm)
- Overall width shall not exceed 6 ft.,7 in. (2000mm)
- Maximum height shall not exceed 8 ft., 4in. (8530mm)
- Overall length of excavator shall not exceed 19 ft., 7 in. (6006mm)

Undercarriage

- The track frame shall be a fabricated steel X-type design and rigidly mounted to the frame.
- The excavator shall not have less than 16 in. (400mm) of track width and use one rigidly mounted carrier (top) roller and four track (bottom) rollers.
- Grease or hydraulic adjustment for track tensioning will be accepted.
- Dozer blade with float and 4-way shall be standard equipment. Blade width shall not exceed 6 ft. 7 in. (2000mm)

Travel and Brakes

- Travel shall be fully hydrostatic.
- A separate hydraulic motor shall drive each track.

- The motor shall drive each track through a reduction planetary drive.
- The excavator shall have automatic two-speed travel. Dual levers in the operator's station shall control travel.
- Service braking shall be automatic and hydraulic through the drive motors.

Swing

- The upper structure shall have the capability to swing 360 degrees in either direction.
- Swing effort shall be provided to the upper structure by a hydraulic motor through double reduction planetary gearing.
- Swing speed shall be a minimum of 9.0 r.p.m.
- There shall be an oil disk brake to lock the upper structure.

Peace of Mind

- The hydraulic hoses must be protected so that hydraulic oil leakage will not occur easily by the breakage of hoses.
- The main components are arranged inside the engine hood. They must be protected by large engine and side covers to protect them from outside impacts.
- A fusible link which can cut out the current from the battery instantly must be installed so that a fire will not be caused by an electrical system short.
- An engine cooling fan guard must be installed to prevent an accident caused by the engine cooling fan.
- A muffler guard must be installed.
- 2" retractable seat belt must be installed to prevent the operator from coming out of the seat during operation.
- A travel lock lever must be installed to prevent a sudden start of the machine.
- Operational, safety and parts manuals shall be furnished upon delivery.

Options

- A full cab standard including heater, defroster and front windshield washer with air conditioning and full instrumentation.
- Quick connect apparatus for quick change of buckets or other attachments.

- A thumb attachment that includes all necessary lines, hydraulic cylinders for proper use of thumb.
- 1 (one trench bucket) 1ft wide with teeth.
- 1 (ditch bucket) 3 ft. wide with smooth cutting edge.

21 FT TRAILER

The use of manufacturer's names and numbers are for descriptive purposes and establishing general qualities only. They are not intended to be restrictive. All items of design and equipment not listed in these specs, but involved in carrying out their intent, are required to be furnished by the bidder, the same as if these items were specifically mentioned in these specifications.

- 15,000 GVWR contractor grade wood floor equipment trailer.
- 7,000 lb. STRAIGHT EZ-lube axles with 4 wheel brakes.
- Heavy duty slipper spring suspension.
- 235/85 R16 load range, G14 ply rating radial tires.
- 8" channel frame and tongue.
- 16" cross member spacing.
- 82" between fenders.
- Treated wood deck with 3-ft. dove tail.
- 5' stand-up ramps.
- Heavy duty adjustable plate for pintle eye.
- 12,000 lb. drop foot jack.
- Tool box with lockable lid.
- HD channel fenders
- Stake pockets with rub rails and "D" rings welded on outside frame near corners.
- Primed and painted with two top coats of acrylic enamel with hardener.
- Break away kit, reflective tape, safety chains, sealed modular wiring harness, and sealed beam LED lighting.

The Proposer agrees to enter into a contract within 5 days after acceptance of this Proposal

Note 1: Enclose descriptive literature on the proposed equipment.

Note 2: Equipment to be picked up and returned to The Town of Easton, 9030 Bryan Dr., Easton, MD, by dealer for major warranty work.

Note 3: Other warranty work shall be performed at same location with no road service time or mileage to be billed during warranty time

Note 4: The Town of Easton shall also require a certificate of origin before processing of invoices, when completing the Certificate of Origin, Distributor-Seller Assignment section that the purchaser's address be listed the purchaser's address be listed as follows:

Town of Easton
14 S. Harrison St.
Easton, MD 21601

BIDDERS NAME

BIDDERS ADDRESS

SIGNATURE OF AN OFFICER

DATE OF THE PROPOSAL

TELEPHONE NUMBER

EXPECTED TIME OF DELIVERY

As Specified	
With Options	
Trailer	
Delivery Charges and Dealer Preparation	